

Sources and Concentrations of Cs-137 in Kuwait

Abstract The RN40 is located on the Southern shore of the Kuwaiti Bay. The station maintains a data sharing relationship with the International Data Center (IDC). It upholds its own share of the bargain, by gathering data on radionuclides and its correlates, and as well, sharing this data with the IDC. The Comprehensive Nuclear-Test-Ban Treaty (CTBT), alongside its function of gathering data, also monitors a lot of fission products. Chief amongst these products is the Cs-137. This fission product has been found to have a half-life of 30.17 years. There are few studies that investigated the existence and concentration of Cs-137 in Kuwait. However, the most recent study that looked at this issue is 17 years old. This makes it important to look at the recent available data from the RN40, so as to lay it side by side, with previous data as have been collected over the years. In view of this, the study here-in, studies the concentration of Cs-137 in Kuwait, and in due course, comparing the recent available data with the data as made available from previous studies, over the years.

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